

# Abrasive Blasting

WAC 296-818-500

## Definitions

### Abrasive

A solid granular substance used in abrasive blasting operations.

### Abrasive blasting

The forcible application of an abrasive to a surface using either:

- Pneumatic or hydraulic pressure

**or**

- Centrifugal force

### Abrasive-blasting respirator

A supplied air or a continuous flow respirator constructed with a shroud that covers and protects the head, neck, and shoulders.

### Automatic blast cleaning systems

A unit that has a blast cleaning chamber which usually has both of the following to provide a timed cleaning cycle:

- An automatic timer

**and**

- An automatic shutoff control

### Baffles

Partial enclosures in and around the emission sources which improve or enhance airflow at the hood.

### Blast cleaning barrel

A complete enclosure that rotates on an axis or an internal tread to tumble parts in order to expose various surfaces of the parts to an automatic blast spray.

### Blast cleaning room

An enclosed room where blasting operations are performed by an operator who works from inside the room using a blasting nozzle to direct the flow of abrasive material.



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### Blasting cabinet

An enclosure where the operator stands outside using a blasting nozzle through an opening, or openings in the enclosure.

### Dust collector

A device in an exhaust ventilation system used to remove dust from air.

### Exhaust ventilation system

A system that removes contaminated air using the following:

- Enclosure or hood
- Duct work
- Dust collecting equipment
- Exhauster
- Discharge stack

### Local exhaust ventilation

The mechanical removal of contaminated air from the point where the contaminant is being generated or liberated.

### Make-up air systems

A ventilation system that controls the volume of outdoor air supplied to a building to replace air being exhausted.

### Rotary blast cleaning table

An enclosure where the pieces to be cleaned are placed on a rotating table and passed automatically through a series of blast sprays.

### Tempered make-up air

Air which has been conditioned by changing its heat content to get a specific desired temperature.

### Ventilation

The provision, circulation or exhausting of air into or from an area or space.

